

Map & Photo Legend



NE-04 Virgin Bay viewed from the northwest.



NE-04 Virgin Bay viewed from the west.

- EX Exclusion Booming
- DV Diversion Booming
- DF Deflection Booming, Fixed
- PR Passive Recovery and Removal
- - - - Protected-water Boom
- ||||| Snare Line
- Tidal-seal Boom
- SR Shoreside Recovery
- G Gate
- [Grid] Restricted Area
- ◆ Eagle Nest

NOTES:

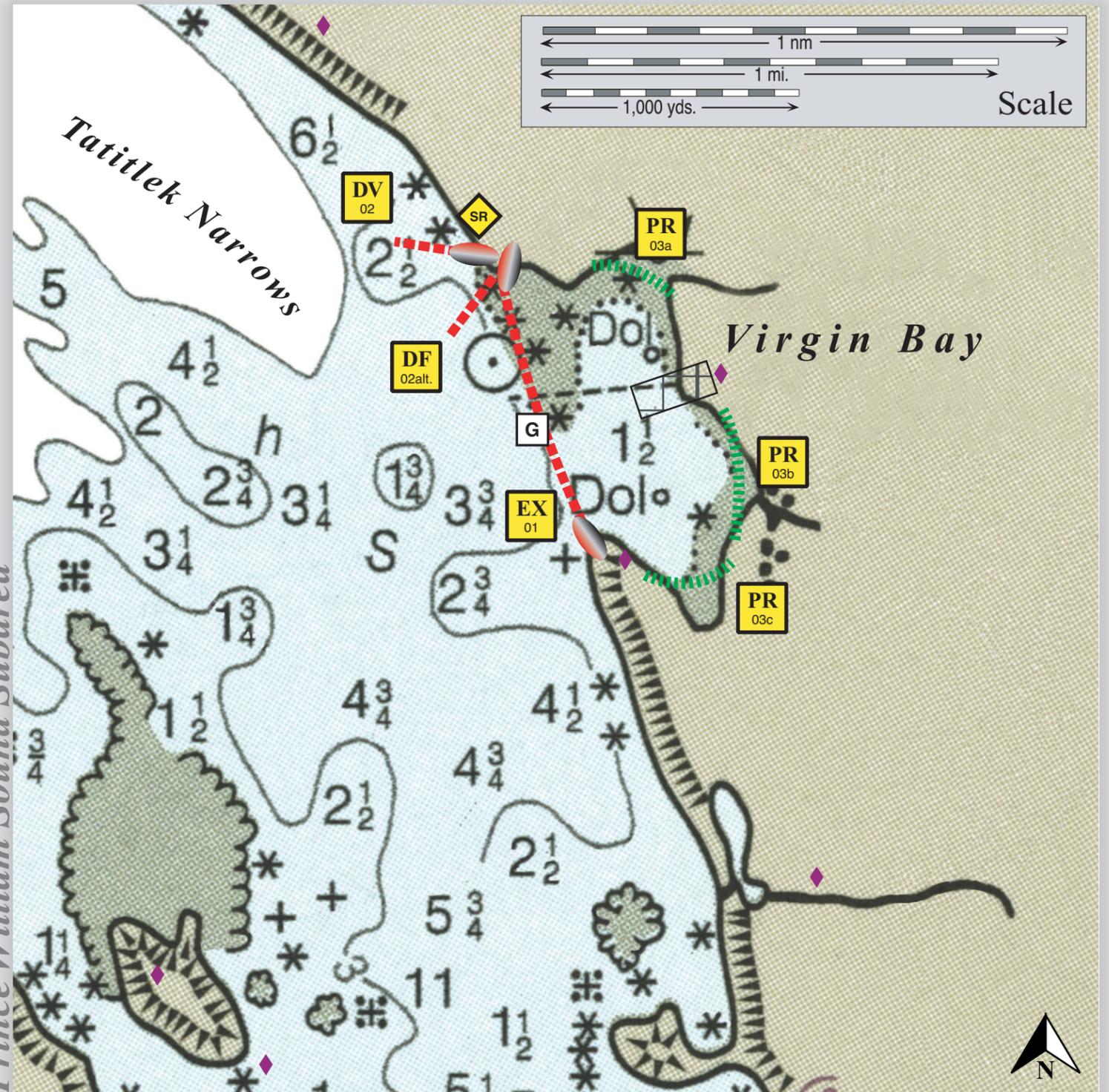
The boom angle for tactic DV is dependent on the direction and velocity of tidal currents. The angle should be as depicted for ebb tide and reversed for flood tide.

Geographic Response Strategies for

Prince William Sound Subarea

Virgin Bay, PWS-NE04

Center of map at 60° 53.24' N Lat., 146° 42.01' W Lon.



This is not intended for navigational use.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
PWS NE04-01	Virgin Bay North end : Lat. 60° 53.91 N Lon. 146° 42.82 W South end: Lat. 60° 53.38 N Lon. 146° 42.49 W	Exclusion Exclude oil from entering Virgin Bay.	Transport equipment to site by vessels (class 2/3/4). Deploy anchors and boom with fishing vessels and skiffs (class 3/4/6). Place and anchor 300 ft. tidal-seal boom on the north end and 250 ft. on the south end. Complete the array with protected-water boom across Virgin Bay. Install a gate in the boom for vessel passage. Tend throughout the tide.	Deployment Equipment 3500 ft. protected-water boom 550 ft. tidal-seal boom 10 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes Vessels 1 ea. class 2 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 9 ea. vessel crew Tending Vessels 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 5 ea. vessel crew	Vessel platform	Marine Chart 16708-2 Contact the Tatitlek Tribal Council for local/seasonal constraints and liaison with area residents. Uplands are privately owned.	Human use-residences, subsistence use of intertidal resources Fish-intertidal spawning, salmon (May-Sept.), herring (April-May) Birds-eagle nests, waterfowl concentration, sea bird nesting (April-Oct.), arctic tern colony Habitat- marsh, sheltered tidal flats	Vessel masters should have local knowledge. Due to land ownership and cultural sensitivity, Tatitlek residents should be offered opportunity to protect this site. Restrict work activity around pier to avoid disturbing tern nesting area. Current runs parallel to boom. REPORT any cultural resources found during operations to FOSC Historic Properties Specialist. Deployed: SERVS June 2000
PWS NE04-02	Virgin Bay Lat. 60° 53.94 N Lon. 146° 42.90 W	Divert and Recovery Divert oil from entering Virgin Bay and recover via shoreside recovery.	Use skiffs (class 6) to deploy anchors and boom. Place boom and begin recovery operation. Tend boom throughout tide.	Deployment Equipment 500 ft. protected-water boom 200 ft. tidal-seal boom 2 ea. anchor stakes 1 ea. recovery unit Vessels/Personnel/Shift Same as PWS-NE04-01 Tending Vessels/Personnel/Shift Same as PWS-NE04-01	Vessel platform	Marine Chart 16708-2 Title 16 permitting required from ADF&G.	Same as PWS-NE04-01	Vessel master should have local knowledge. The outflow and shape of this lagoon are different than depicted on pre 2002 NOAA charts. Old pier pilings visible from mining operations. Tested: not yet.
PWS NE04-02 alt.	Virgin Bay Lat. 60° 53.94 N Lon. 146° 42.90 W	Deflection-Fixed Deflect oil from Virgin Bay and back into the channel for collection.	Transport equipment to site by vessel (class 2/3/4). Place tidal-seal and protected-water boom and anchor with fishing vessel and skiffs. Position boom at adequate angle to deflect oil from Virgin Bay and set up for near shore free-oil recovery.	Deployment Equipment Same as PWS-NE04-02 Vessels/Personnel/Shift Same as PWS-NE04-01 Tending Vessels/Personnel/Shift Same as PWS-NE04-01	Vessel platform	Marine Chart 16708-2	Same as PWS-NE04-01	Vessel master should have local knowledge. Anchors should be placed so that boom is held away from rock shelf in middle of Virgin Bay. Tested: not yet.
PWS NE04-03	Virgin Bay a. Lat. 60° 53.90 N Lon. 146° 42.28 W b. Lat. 60° 53.43 N Lon. 146° 41.90 W c. Lat. 60° 53.24 N Lon. 146° 42.01 W	Passive Recovery If warranted, utilize passive recovery tactics to minimize impact to the tidal flats and salmon stream in Virgin Bay.	Place and anchor snare or sorbent boom across the tidal flats in Virgin Bay. Replace as necessary to maximize the recovery. Tend throughout the tide.	Deployment Equipment 2300 ft. snare or sorbent boom 12 ea. anchor stakes Vessels/Personnel/Shift Same as PWS-NE04-01 Tending Vessels/Personnel/Shift Same as PWS-NE04-01	Vessel platform	Marine Chart 16708-2	Same as PWS-NE04-01	Use snare boom for persistent oils and sorbent boom for non-persistent oils.